

## AMENDMENT TO THE CLAIMS

*Please amend the claims as follows.*

1.-22. (Canceled)

23. (New) A method for identifying a single fluorescent molecule in an interrogation space comprising:

processing fluorescent light from the fluorescent molecule in the interrogation space with an analytical filter that divides the fluorescent light into equally spaced-apart bins and identifies light above a threshold level;

wherein a single fluorescent molecule in the interrogation space is identified by a predetermined threshold level of light and light in the spaced-apart bins.